

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

6. (Currently amended) A repositioning system for a computer generated geometric model represented on a display screen, the geometric model having associated dimensions displayed along with the geometric model on the display screen, the repositioning system comprising:

a repositioner which repositions the dimension to a desired position relative to the model in response to a user dragging the dimension to the desired position; and

a repositioned dimension display which displays the dimension at the desired position relative to the model.

7. (Previously Presented) The repositioning system of claim 6, in which the geometric model comprises a 3-D sheet metal part model.

8. (Previously Presented) The repositioning system of claim 7, the repositioned dimension display comprising an extension line creator which creates and displays on the display screen, extension lines between each attachment point and the proximate end of an arrow line if the arrow line has been repositioned so that the proximate end is no longer adjacent to the selected entity.

9. (Currently amended) A dimensioning system for a computer generated 3-D

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model of a sheet metal part including a plurality of entities, the dimensioning system comprising:

- a model display which displays a representation of the model on a display screen;
- an indicator which indicates to a user candidate entities of the model, in response to user events, that may be selected;
- a dimension defining system which defines each dimension associated with the selected entities of the model;
- a dimension display which displays dimension information on the display screen based on the defined dimension;
- a repositioner which repositions the dimension to a desired position relative to the model in response to a user dragging the dimension to the desired position; and
- a repositioned dimension display which displays the dimension at the desired position relative to the model.

10. (Currently amended) A single entity dimensioning system for a computer generated geometric model including a plurality of entities, the single entity dimensioning system comprising:

- a model display which displays a representation of the model on a display screen;
- an indicator which indicates to a user candidate entities of the model, in response to user events, that may be selected;

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a selector which selects one entity of the model based upon an indicated candidate entity;

a dimension defining system which defines each dimension associated with the selected entity of the model;

a dimension display which displays a dimension information on the display screen based on the defined dimension;

a repositioner which repositions the dimension to a desired position relative to the model in response to a user dragging the dimension to the desired position; and

a repositioned dimension display which displays the dimension at the desired position relative to the model.

11. (Previously Presented) The single entity dimension system of claim 10, in which the geometric model comprises a 3-D sheet metal part model.

12. (Previously Presented) The single entity dimensioning system of claim 11, the selected entity comprising a circle and an arc, and the dimension defining system defining the dimension as either a diameter of the selected entity or as a radius of the selected entity.

13. (Previously Presented) The single entity dimensioning system of claim 11, the selected entity comprising a bend line and a line, and the dimension defining system defining the dimension as a length of the selected entity.